2. (Once Amended). The method of claim 1, wherein said step of adjusting said jitter buffer size is in accordance with the detection of said at least one additional subsequent burst period.

3. (Once Amended). The method of claim 1, wherein said step of monitoring said network activity includes:

measuring a time to play for each packet received at a predetermined location;

building a time to play statistic for each of said received packets from at least two predetermined time intervals;

calculating the width and offset values from said respective time to play statistics; and

determining said likelihood of said at least one subsequent burst period from said width and offset values of said respective time to play statistics.

4. (Once Amended). The method of claim 2, wherein said step of adjusting said jitter buffer size includes, making an estimate of said jitter buffer size and adjusting said jitter buffer size in accordance with said estimate.

5. (Once Amended). The method of claim 1, wherein said step of monitoring said network activity for said at least one burst period includes monitoring said network activity for one burst period.

7. (Once Amended). A method for controlling jitter buffer size for a jitter buffer of a communication device for communication with a network, the method comprising the steps of:

monitoring data packet transmissions from network activity, including monitoring said data packet transmissions to detect at least one burst period;

building a time to play statistic for each of said received packets from at least two predetermined time intervals;

calculating the width and offset values from said respective time to play statistics;

determining the likelihood of at least one subsequent burst period from said width and offset values of said respective time to play statistics, provided there has been said at least one burst period; and

B3 cancel

making an estimate of said jitter buffer size to accommodate data packet transmissions of said at least one subsequent burst period based on said time to play statistics provided there has been said at least one burst period.

9. (Once Amended). An audio receiver comprising:

a jitter buffer; and

B4

a controller for said jitter buffer, said controller programmed to:

monitor network activity and determine at least one burst period from said network activity; and

adjust said jitter buffer size based on said monitoring said network activity for said at least one burst period.

12. (Once Amended). The audio receiver of claim 11, additionally comprising an amplifier in communication with said decompressor.

13. (Once Amended). An audio receiver comprising:

a jitter buffer; and

B5

means for monitoring network activity and determining at least one burst period from said network activity; and

means for adjusting said jitter buffer to a size in accordance with said monitoring of said network activity for said at least one burst period.

14. (Once Amended). The audio receiver of claim 13, wherein said network activity monitoring means and adjusting means includes a controller programmed to monitor activity on said network for at least one burst period and to adjust said jitter buffer size based on said monitoring of said activity on said network.

15. (New). A method for controlling jitter buffer size for a jitter buffer of a communication device for communication with a network, the method comprising the steps of:

B6 cont

monitoring activity on said network and determining at least a plurality of burst periods from said activity;

analyzing said burst periods and determining a likelihood for at least one subsequent burst period therefrom; and

adjusting said jitter buffer size based on said determined likelihood for said at least one subsequent burst period.

16. (New). The method of claim 15, wherein said step of monitoring activity on said network includes:

measuring a time to play for each packet received at a predetermined location;

building a time to play statistic for each of said received packets from at least two predetermined time intervals;

calculating the width and offset values from said respective time to play statistics; and

determining said likelihood of said at least one subsequent burst period from said width and offset values of said respective time to play statistics.

17. (New). The method of claim 15, wherein said step of adjusting said jitter buffer size includes, making an estimate of said jitter buffer size and adjusting said jitter buffer size in accordance with said estimate.

Bb Cont

18. (New). An audio receiver comp rising:

a jitter buffer; and

a controller for said jitter buffer, said controller programmed to:

monitor activity on said network and determining at least a plurality of burst periods from said activity; and

adjust said jitter buffer size based on said monitoring said activity on said network for said at least a plurality of burst periods.

19. (New). The audio receiver of claim 18, additionally comprising a storage unit in operative communication with said controller.

20. (New). The audio receiver of claim 18, additionally comprising a decomprerssor in communication with said jitter buffer.

21. (New). The audio receiver of claim 20, additionally comprising an amplifier in communication with said decompressor.